

# The Geotechnical Engineering Unit is responsible for-

## PROJECT DESIGN

 Conduct geotechnical investigations, analyses, and design producing engineering reports, design memos and detailed drawings, and contract documents such as special provisions.

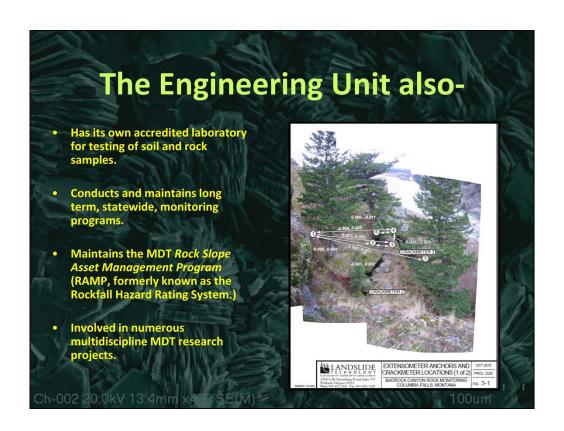
#### CONSTRUCTION SUPPORT

 Guidance for building geotechnical features and inspection support, geotechnical monitoring during construction, and evaluation of unexpected site conditions.

# MAINTENANCE SUPPORT & EMERGENCY RESPONSE

 Assisting with emergencies arising from rockfall incidents, failure of slopes or pavement, stream/river bank instability, foundation and retaining wall issues, meteor impacts, zombie invasions, etc.

Ch-002 20.0kV 13.4mm x403 SE(M)



## **PROJECT DESIGN Areas of Responsibility Pile Foundations Erosion Mitigation** Spread Footing Foundations • Wetland Hydraulics **Drilled Shaft Foundations Groundwater Issues** Soil Slope Design **Construction Dewatering Rock Slope Design Forensic Evaluations Rockfall Mitigation Stream Scour Mitigation Embankment Foundations Reinforced Soil Slopes Culvert Foundations Retaining Walls Landslide Mitigation** MSE Walls Earthwork Shrink/Swell Soil Nail Walls **Construction Blasting** Subsurface Drainage **Geotextile Applications Demolition Blasting**

